

## Message Text

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ACTION ERDA-07

INFO OCT-01 EUR-12 NEA-10 ISO-00 OES-06 NRC-07 NSF-02  
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R 171325Z DEC 76  
FM AMEMBASSY CAIRO  
TO SECSTATE WASHDC 9825  
AMEMBASSY PARIS  
AMEMBASSY BONN

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PASS ERDA, NSF, AID

PARIS/BONN FOR SCICON

E.O. 11652: N/A  
TAGS: ENRG, TECH, TPHY, EG  
SUBJECT: EGYPTIAN SOLAR ENERGY ACTIVITIES

REF: STATE 295365 (NOTAL)

1. DURING RECENT MEETING WITH PRINCIPAL INVESTIGATORS ON NSF/SFCP  
PROJECT SOLAR ENERGY RESEARCH IN EGYPT, DRS. P. SMITH (N.MEXICO  
STATE U.) M. TALAAT, (UNIV. OF MD.) M. HAFEZ (EGYPTIAN ACDEMY)  
AND I. SAQR (EGYPT NRC) SCIATT WAS TOLD BY SAQR THAT THIS PROJECT  
IS EGYPT'S ONLY ACTIVE EFFORT IN INT'L COOPERATION IN THE SOLAR  
ENERGY FIELD.

2. WHEN ASKED ABOUT REPORTED PROJECTS UNDER DEVELOPMENT WITH  
FRANCE AND FRG, SAQR AND HAFEZ (WHO IS ALSO ACADEMY SENIOR COUNSELLOR  
)  
SAID THAT THIS COOPERATION OS "SO FAR ONLY TALK" INSPITE OF PRESS  
ANNOUNCEMENTS AND SPEECHES. NO CLEAR PROJECT DEFINITIONS HAVE BEEN  
ARRIVED AT YET, MUCH LESS IMPLMENETATION SCHEDULES. THE TIMING OF  
THE REPORTED DM 1.5 MILLION FRG DONATION TO ASSIST EGYPTIAN SOLAR  
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ENERGY RESEARCH AND SPECIFIC ACTIVITIES TO BE SUPPORTED IS STILL  
UNDER DISCUSSION.

3. DISCUSSIONS HAVE CENTERED ON FUTURE TESTING AND/OR EVALUATION  
OF PROTOTYPE DEVICES FOR SOLAR ENERGY APPLICATIONS IN COOLING,  
POWER GENERATIONS AND DESALINATION. FRANCE HAS DEMONSTRATED A

25 HP. PUMP HERE. JOINT RESEARCH PER SE HAS NOT BEEN MUST DISCUSSED WITH THESE COUNTRIES. DR. TALAAT NOTED THAT THE FRENCH PUMP HAS BEEN USED OR SHOWN ELSEWHERE AND THAT THERE ARE SIMILAR EFFORTS IN THE US.

4. FOR PARIS/BONN: REQUEST ANY COMMENTS YOU MAY HAVE ON COOPERATION WITH EGYPT. ANNOUNCEMENT WERE MADE IN CONNECTION WITH SADAT'S VISIT TO FRG AND BARRE VISIT TO EGYPT.

5. RE PARA 6 REFTTEL: OF EGYPTIAN ORGANIZATIONS INTERESTED IN SOLAR ENERGY, ACADEMY/NRC IS MOST EXPERIENCED AND HAS BEST FACILITY FOR GENERAL RESEARCH, PARTICULARLY APPLIED RESEARCH. NRC HAS SOME EXPERIENCE GAINED THROUGH NSF PROJECT. MINISTRY OF NUCLEAR ENERGY AND SCIENTIFIC RESEARCH HAS NO RESEARCH FACILITIES. MINISTER OF ELECTRICAL POWER, WHILE INTERESTED IN USE OF SOLAR ENERGY TO GENERATE ELECTRICITY IS NOT RESEARCH ORIENTED, ALTHOUGH IT MIGHT BE OF ASSISTANCE IN DEMONSTRATION PROJECTS AND EVALUATION OF COMMERCIAL TECHNOLOGIES. THERE ARE SEVERAL INDIVIDUAL RESEARCHERS AT UNIVERSITIES WITH INTEREST AND SOME EXPERIENCE IN SOLAR ENERGY, MOSTLY BASIC RESEARCH.

6. ONE OF MOST INTERESTING EFFORTS AT UNIVERSITIES IS A PROPOSAL BY DR. HASSAN KHALIL OF ALEX. UNIV. TO USE SOLAR STILL TO PROVIDE POTABLE WATER FOR VILLAGES. WATER WOULD BE PUMPED FROM CANALS OR OTHER CONTAMINATED SOURCE INTO CONVENTIONAL SOLAR HEATER/STILL USING PLASTIC OR GLASS PANELS TO BE HEATED TO A TEMP. ABOVE 50 DEGREES C., (WHERE SCHISTOSOMIASIS CIRCARIAE DIE). KHALIL WHO IS MEDICAL DOCTOR, WITH CONSIDERABLE ENGINEERING EXPERTISE HAS CONDUCTED EXPERIEMENTS, DESIGNED A RELATIVELY LOW COST FACILITY AND PREPARED ENGINEERING/ UNCLASSIFIED

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ARCHITECTURAL DRAWINGS. HIS PROJECT HAS BEEN APPROVED BY ALEX. UNIV. AND HAS BEEN SUBMITTED TO THE MINISTRY OF HEALTH. AID/C IS INTERESTED IN CONCEPT AND IS RECOMMENDING TECHNICAL EVALUATION OF PROPOSAL. DR. M. SCHUTT, AID HEALTH OFFICER NOW IN WASH. HAS PROPOSAL WITH HIM.

7. EMB. WILL SUMMARIZE GOE FUTURE PROGRAM PLANS IN SOLAR ENERGY IN SEPTEL.  
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